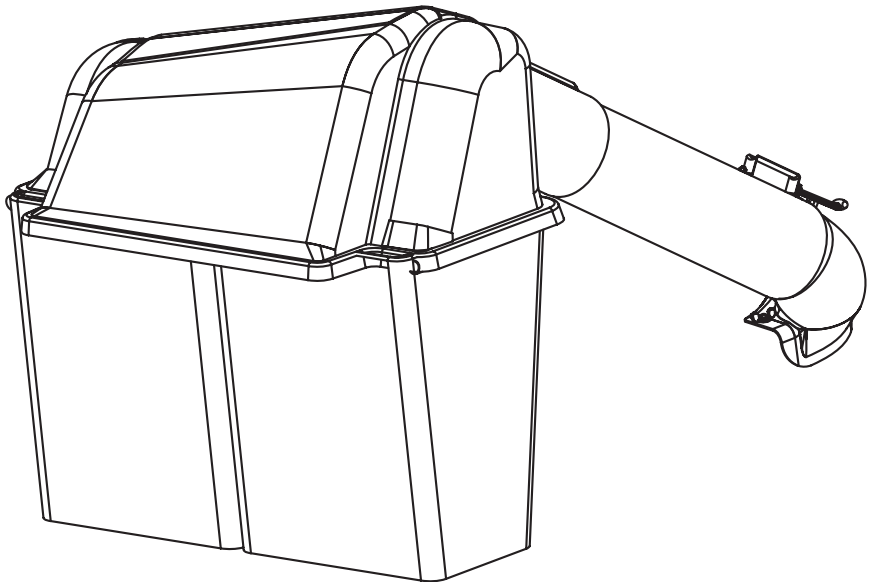
Simplicity MASSEY FERGUSON LAWN & GARDEN EQUIPMENT AGCO LAWN & GARDEN EQUIPMENT SNAPPER

ATTACHMENT OPERATOR'S MANUAL



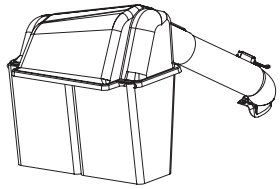
Clean Sweep

Twin Catcher

Clean Sweep Twin Catcher

Mfg. No.	Description
1694916	Clean Sweep Twin Catcher

1732352
Rev. 01
Rev. Date 04/2006
TP 100-4266-01-AT-SMAN



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NOTE: In these instructions, “left” and “right” are referred to as seen from the operating position.

Safety Rules & Information

Read these safety rules and follow them closely. Failure to obey these rules could result in loss of control of unit, severe personal injury or death to you, or bystanders, or damage to property or equipment. The triangle ⚠ in text signifies important cautions or warnings which must be followed.

⚠ GENERAL WARNINGS

- Know the unit's controls and how to stop quickly. READ THE OPERATOR'S MANUALS.
- Read and obey all safety decals.
- Only allow responsible adults, who are familiar with the instructions, to operate the unit.
- Disengage the PTO. Shut off the engine and wait for all moving parts to stop before attaching, adjusting, or disconnecting any part of the collection system.
- Check the collection system to make sure it is bolted tightly to the unit.
- DO NOT operate the unit without either the entire grass catcher or the deflector in place.
- Turn off the PTO to disengage the blades when not mowing.
- DO NOT mow in reverse unless absolutely necessary. Always look down and behind before and while travelling in reverse.
- DO NOT turn sharply when travelling alongside a building or any object. Slow down before turning.
- DO NOT carry passengers.
- When collection system is removed from the mower deck, the deflector must be properly installed.
- Collector bags are subject to deterioration and wear during normal use. Inspect the bag periodically for tears, holes, or weak spots and replace with a new bag that meets manufacturer's durability standards.
- If the mower stalls or the collector chute plugs:
  1. Disengage the PTO;
  2. Stop the engine and remove the key;
  3. Set the parking brake, and wait for all moving parts to stop.
  4. Remove the foreign object or clear the chute with a piece of wood before restarting the engine. **NEVER place hands into COLLECTOR OR MOWER housing to clear jammed objects. Blower OR MOWER may rotate when object is removed.**
- For added stability and to prevent tipping or loss of control:
  a. Use reduced speed on uneven ground and when turning corners.
  b. Reduce loads on hillsides. It is recommended that the collection system be kept only half full when negotiating any slopes. Start mowing on slopes when the collection system is empty.
  c. Mow up and down the face of slopes; never across the face of any slope.
- **Never operate on slopes greater than 17.6% (10°).**

SAFETY DECALS

This unit has been designed and manufactured to provide you with the safety and reliability you would expect from an industry leader in outdoor power equipment manufacturing.

Although reading this manual and the safety instructions it contains will provide you with the necessary basic knowledge to operate this equipment safely and effectively, we have placed several safety labels on the unit to remind you of this important information while you are operating your unit.

All DANGER, WARNING, CAUTION and instructional messages on your rider, attachments and mower should be carefully read and obeyed. Personal bodily injury can result when these instructions are not followed. The information is for your safety and it is important! The safety decals below are on your product.

If any decals are lost or damaged, replace them at once. See your local dealer for replacements.

These labels are easily applied and will act as a constant visual reminder to you, and others who may use the equipment, to follow the safety instructions necessary for safe, effective operation.

Attachment Decal

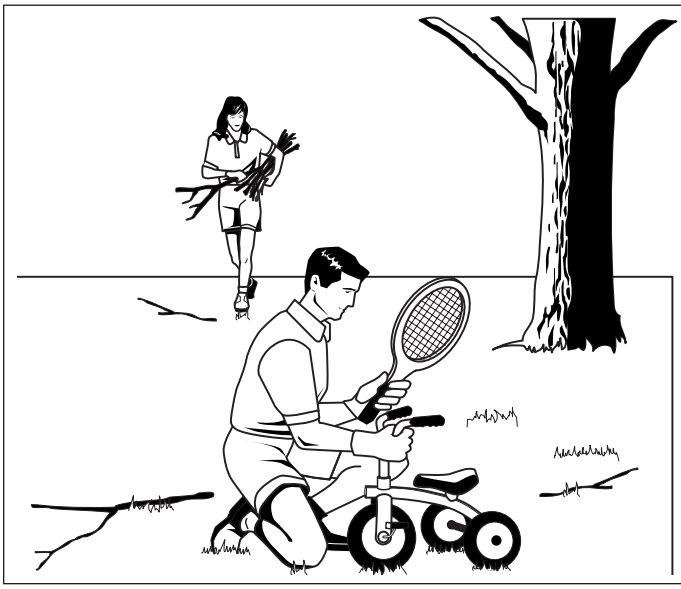
WARNING
Thrown objects hazard
• Objects thrown by the mower can seriously injure or kill you.
• Do not open the hopper while the mower blades are turning.
• Do not operate the mower without the complete catcher in place.
1732819

Decal - WARNING
Thrown Objects Hazard
Part Number 1732819

Read and obey all operation and warning decals.

Operate

General Operating Instructions



Before Operation

Clear the lawn of all sticks, stones, wire and other debris which may be caught or thrown by the mower blades.

Check grass condition. If wet, wait until later in the day. If grass is wet, the grass catcher is likely to become plugged.

For efficient bagging, air circulation under the mower deck, through the chute and into the bag is very important.

For this reason, BEFORE YOU BEGIN MOWING you should make certain the underside of the mower and the underside of the catcher lid are free from grass and debris.

Make sure that there is a snug fit between mower deck, blower housing, tubes, and grass catcher cover.

Mowing with the Catcher

Always operate with throttle at full speed when mowing.

Grass should be cut often, and not too short. If grass is too long or lush it may be necessary to keep ground speed to a minimum or to cut only half the width of the mower to prevent clogging. If grass is long, operate with mower in high cutting position for first pass, cutting again in a lower position on a second pass.

Do not open the cover with mower engaged.

If a large amount of cut grass is spilling out from under deck, the tube may be plugged or the bags may be full—discontinue mowing, stop the unit, disengage the PTO, shut off the engine and then empty the catcher or clear the tube.

⚠ WARNING

ALWAYS shut off the tractor. Disengage the PTO, and allow all moving parts to stop BEFORE disconnecting or clearing tube, or emptying catcher.

Before leaving the operator's position for any reason, engage the parking brake, disengage the PTO, stop the engine and remove the key.

To reduce fire hazard, keep the engine, rider and mower free of grass, leaves and excess grease. Do not stop or park rider over dry leaves, grass or combustible materials.

⚠ CAUTION

Before you begin operating the unit be certain you have read all of the safety and operational information of this instruction sheet, as well as the Operator's Manual for the tractor and any other attachments.

Never operate on slopes greater than 17.6% (10°).

After Operation

Remove any debris from the the screen on the underside of the lid.

The blower housing and tube should be removed for cleaning.

Inspect the grass bags for wear or damage. Make sure that there is a snug fit between mower deck, blower housing, tubes, and grass catcher cover.

⚠ CAUTION

Do not leave grass in bagger containers. Empty containers after each use and before storing. Failure to do so may result in spontaneous combustion which could develop into a fire.

Storing The Grass Catcher

Clean the grass catcher thoroughly using a mild detergent (other products may damage the tube). Remove any debris from the screen on the underside of the lid.

If paint has been scratched on metal parts, touch up with paint, or apply a thin film of oil to prevent corrosion.

Store in a dry area. Dry thoroughly before storing for a long period of time. Always store away from moisture.

Initial Installation

Setup

WARNING

Before beginning any service work turn off the PTO, set the parking brake, turn off the ignition, and disconnect the spark plug wire(s).

Initial Installation

Hitch Installation

1. Slide the 5/16-18 speed nut (A, Figure 1) onto rear frame support (E) through square hole (C) so that the threaded side (B) is on the inside of tractor.
2. Secure the 5/16-18 shoulder bolt (D) as shown.
3. Repeat on the other side.

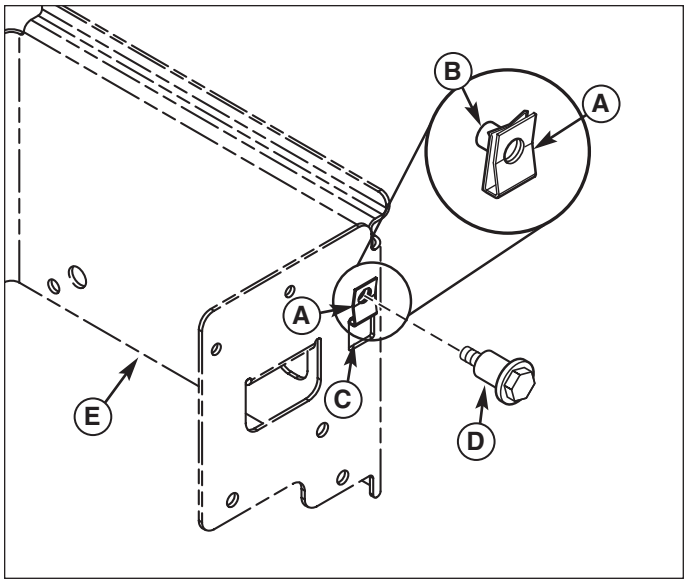


Figure 1. Install Spacer (left side shown)
A. Speed Nut, 5/16-18
B. Threaded Side
C. Square Hole
D. Shoulder Bolt, 5/16-18
E. Rear Frame Support

4. Slide the hitch (A, Figure 2) on right side and left side shoulder bolts (B) while sliding post (C) into hole (D) as shown. Secure with hair pin (E).

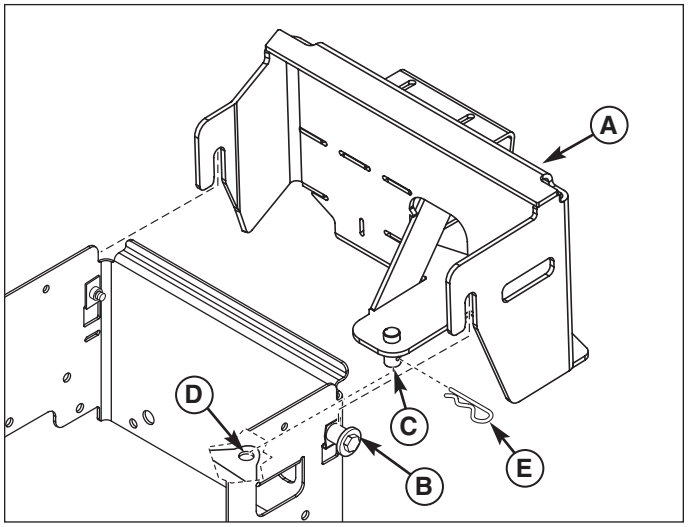


Figure 2. Hitch Installation
A. Hitch
B. Shoulder Bolt
C. Post
D. Hole in Draw Bar
E. Hair Pin

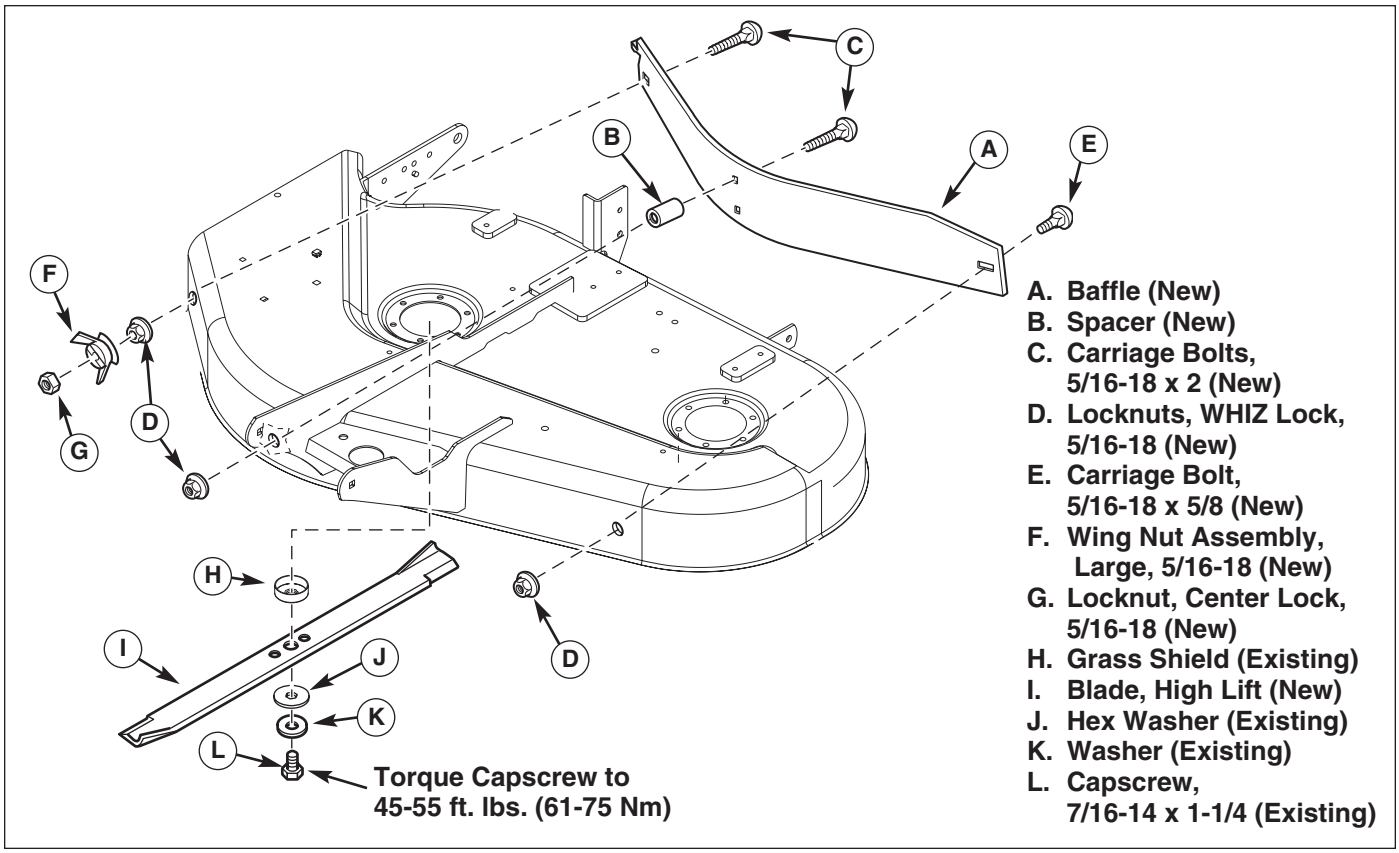


Figure 3. Baffle Assembly (38" Free Floating Mowers)

Baffle and Blade Installation (38" Free Floating Mowers Only)

Note: This baffle and blade is for the 38" Free Floating Mowers only. Units with an anti-blowout baffle do not require the Clean Sweep baffle.

1. Remove mower deck. See OPERATOR'S MANUAL.
2. Install notched side of baffle (A, Figure 3) to discharge side of deck securing with 5/16-18 x 2 carriage bolt (C) and 5/16-18 locknut (D). Install 5/16-18 wing nut (F) and locknut (G) to carriage bolt (C) as shown.
3. Secure center of baffle (A) to deck using 5/16-18 x 2 carriage bolt (C), spacer (B) and nut (D). Secure LH end of baffle (A) to deck using 5/16-18 x 5/8 carriage bolt (E) and nut (D).
4. Remove blade (A, Figure 4). Use a block of wood to prevent blade rotation while loosening the capscrew.
5. Reinstall the large washer (B, Figure 5), spring washer (C) and capscrew (D). Use a wooden block (A) to prevent blade rotation while tightening the capscrew (D) to 45-55 ft. lbs. (61-75 Nm).

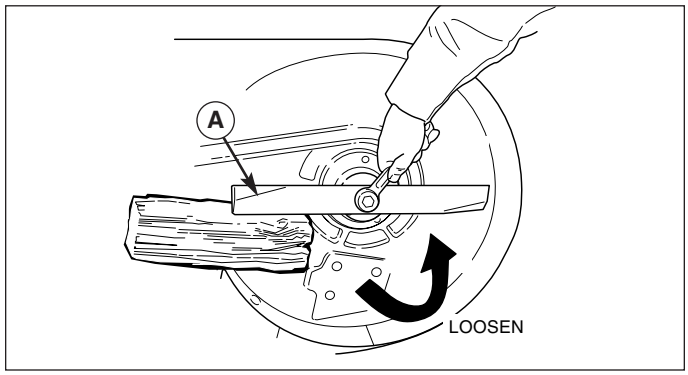


Figure 4. Blade Removal (38" Free Floating Mowers)
A. Blade

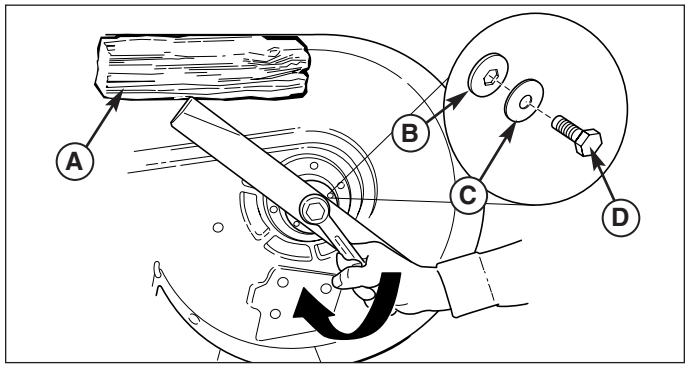


Figure 5. Blade Installation Mowers (38" Free Floating Mowers)
A. 4x4 Wood Block
B. Hex Washer
C. Spring Washer
D. Blade Capscrew

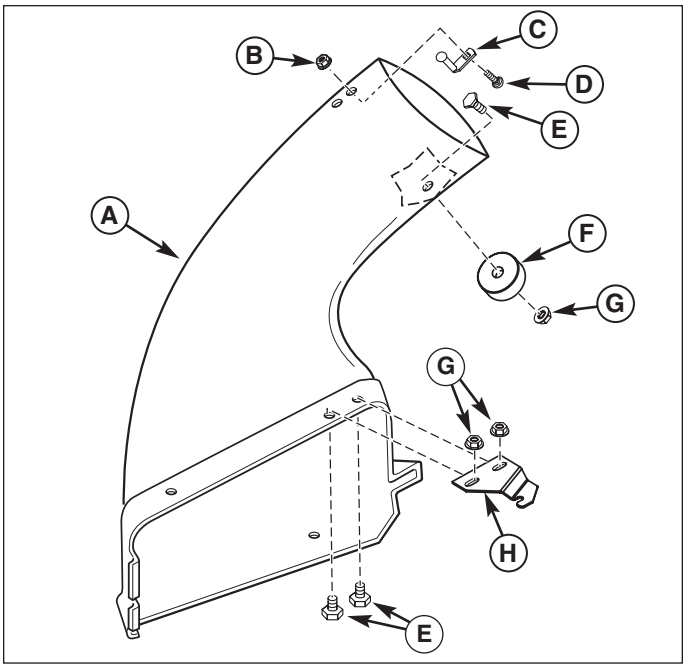


Figure 6. Install Pin and Bracket (38" Free Floating Mowers)
A. Lower Chute
B. Locknut, 1/4-20
C. Pin
D. Carriage Bolt, 1/4-20 x 5/8
E. Capscrews, Thin Head, 5/16-18 x 3/4
F. Washer, Large
G. Locknuts, 5/16-18
H. Bracket

Component Installation

BRACKET AND PIN INSTALLATION ON LOWER CHUTE (38" FREE FLOATING MOWERS)

1. Insert the head of pin (C, Figure 6) through front hole of lower chute (A). Secure with 1/4-20 x 5/8 carriage bolt (D) and 1/4-20 lock nut (B) as shown.
2. Secure the washer (F) to lower chute (A) using 5/16-18 x 3/4 capscrew (E) and 5/16-18 locknut (G).
3. Install bracket (H) to lower chute (A) using 5/16-18 x 3/4 capscrews (E) and 5/16-18 locknuts (G).

PIN INSTALLATION ON LOWER CHUTE (42" & 38" FRAME HUNG MOWERS)

1. Insert the head of pin (C, Figure 7) through front hole of lower chute (A). Secure with 1/4-20 x 5/8 carriage bolt (D) and 1/4-20 lock nut (B) as shown.

CARRIAGE BOLT AND PUSH NUT INSTALLATION MOWER DECK HOUSING (42" & 38" FRAME HUNG MOWERS)

1. Secure the 5/16-18 x 3/4 carriage bolts (A, Figure 8) onto mower deck housing (C) using 5/16 push nuts (B).

Note: Retaining carriage bolts with push nuts is optional.

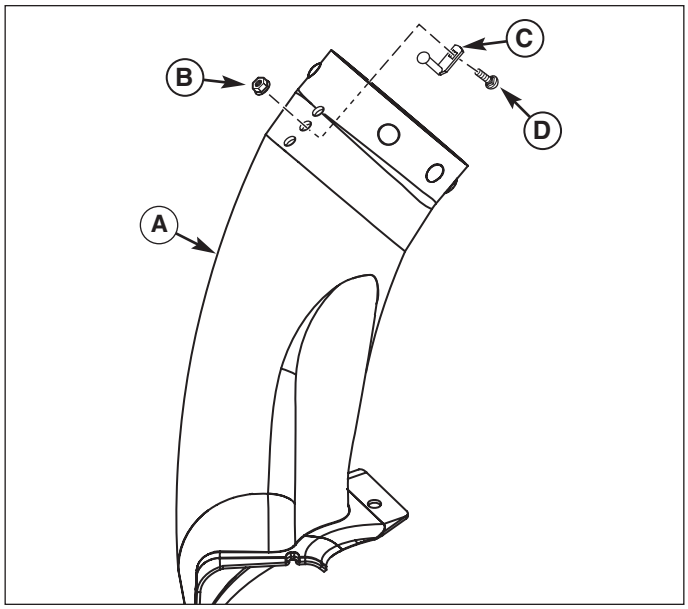


Figure 7. Install Pin (42" & 38" Frame Hung Mowers)
A. Lower Chute
B. Locknut, 1/4-20
C. Pin
D. Carriage Bolt, 1/4-20 x 5/8

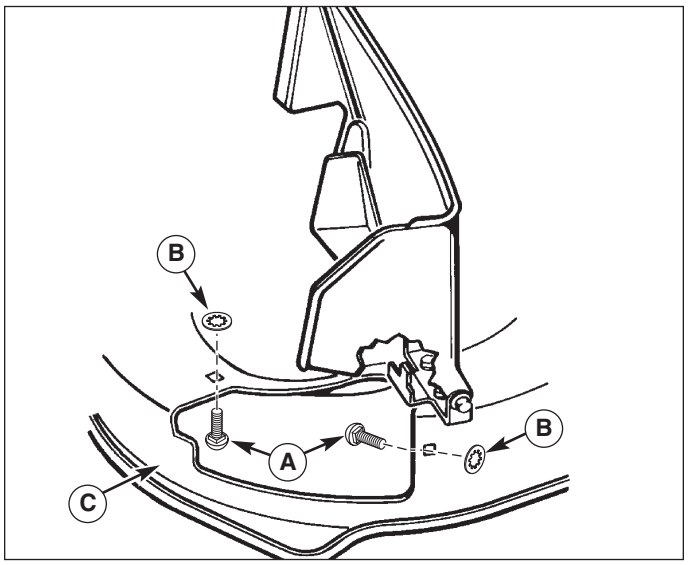


Figure 8. Install Mounting Plate (42" & 38" Frame Hung Mowers)
A. Carriage Bolts, 5/16-18 x 3/4
B. Push Nuts, 5/16
C. Mower Deck Housing

HANDLE INSTALLATION

1. Install the handle (A, Figure 9) using 1/4-20 x 1/2 screw (C) and 1/4-20 locknut (B) for rear hole. Use 1/4-20 x 1 screw (D) and 1/4-20 locknut (B) as shown. Tighten hardware.
2. Install the strap (E) to screw (D) securing with 1/4-20 locknut (F).

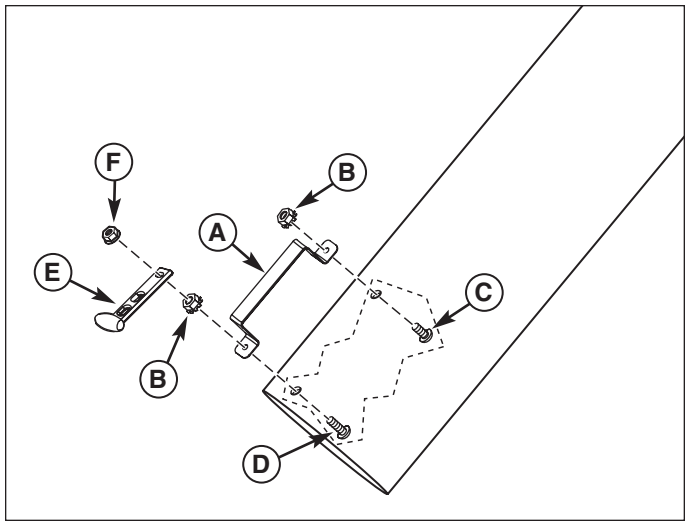


Figure 9. Handle to Tube Installation
A. Handle
B. Locknuts, KEPS, 1/4-20
C. Screw, Slotted, 1/4-20 x 1/2
D. Screw, Slotted, 1/4-20 x 1
E. Strap, Rubber
F. Locknut, Center Lock, 1/4-20

INSTALL LATCH AND HINGE TO COVER ASSEMBLY

1. Install the latch (B, Figure 10) to the cover assembly (A) securing with #10-24 x 5/8 screws (D) and #10-24 locknuts (C) as shown.
2. Install the hinge (E) to cover assembly securing with 1/4-20 x 1/2 screws (G) and 1/4-20 locknuts (F).

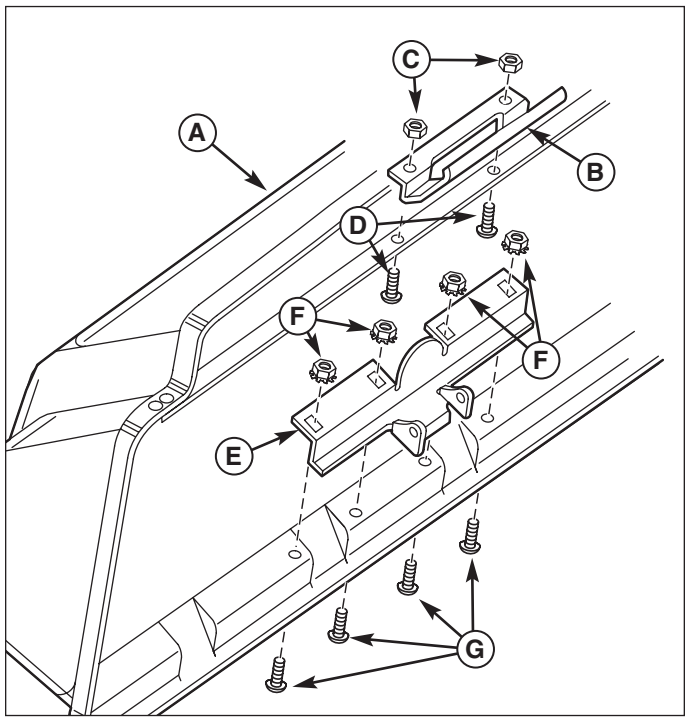


Figure 10. Install Latch & Hinge to Cover Assembly
A. Cover Assembly
B. Latch
C. Locknuts, ESNA, #10-24
D. Screws, #10-24 x 5/8
E. Hinge
F. Locknuts, 1/4-20
G. Screw, Slotted, 1/4-20 x 1/2

Channel and Tube Installation

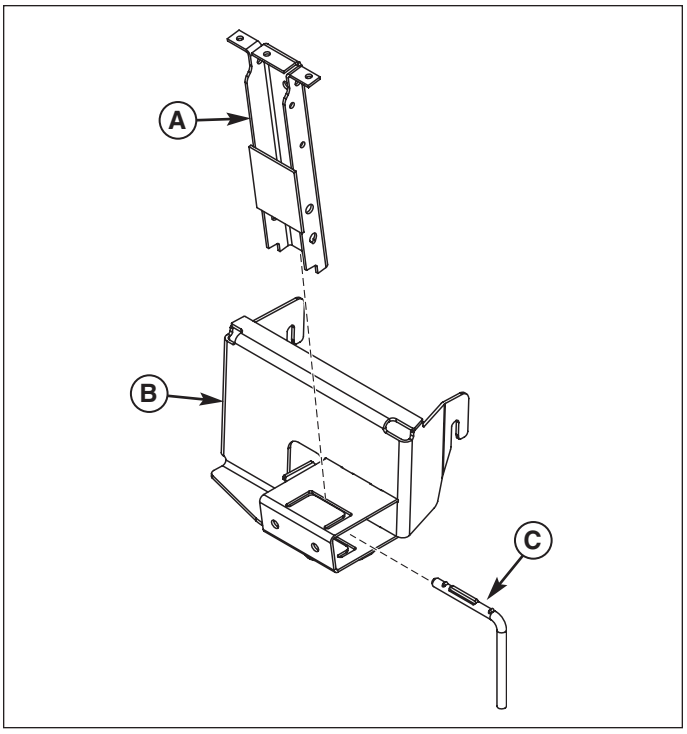


Figure 11. Install Channel Assembly
A. Channel Assembly
B. Hitch
C. Pin

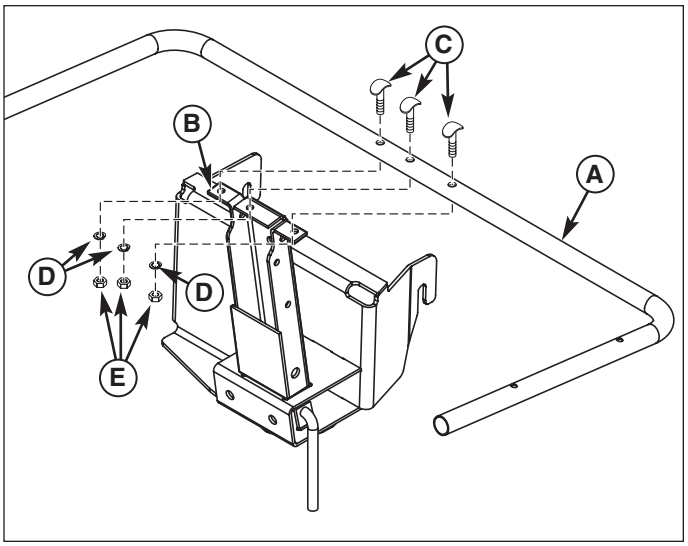


Figure 12. Install "U"-Tube
A. "U"-Tube
B. Channel Assembly
C. Screws, Special, 5/16-24
D. Lockwashers
E. Nuts, 5/16-24

INSTALL CHANNEL ASSEMBLY AND "U"-TUBE

1. Slide the channel assembly (A, Figure 11) into hitch (B) as shown.
2. Install the pin (C) into the right side of hitch (B) and turn pin (C) counterclockwise to lock in place.
3. Install the "u"-tube (A, Figure 12) to channel assembly (B) securing with 5/16-24 screws (C), 5/16 lockwashers (D) and 5/16-24 nuts (E).

INSTALL TUBES AND END PLUGS

1. Install the center tube (A, Figure 13) to RH side of channel assembly (B) as shown. Secure with 5/16-24 screws, 5/16 lockwashers (C) and 5/16-24 nuts (D).
2. Install the end caps (G) to tube ends (F) as shown.

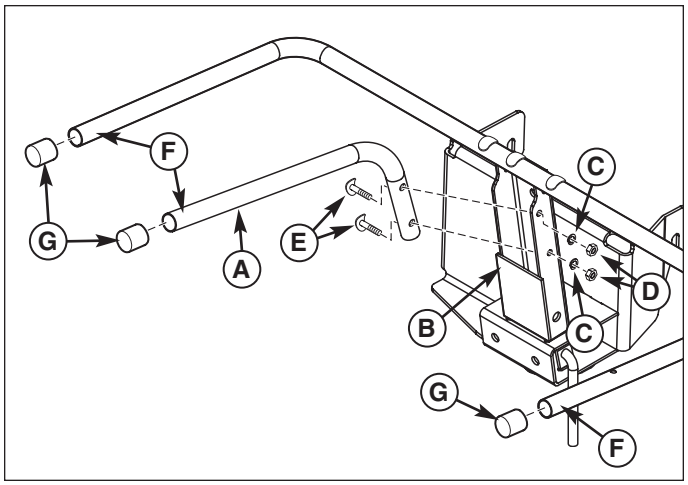


Figure 13. Install Center Tube and End Caps
A. Center Tube
B. Channel Assembly
C. Lockwashers, 5/16
D. Nuts, 5/16-24
E. Screw, Special, 5/16-24
F. Tube Ends
G. End Caps

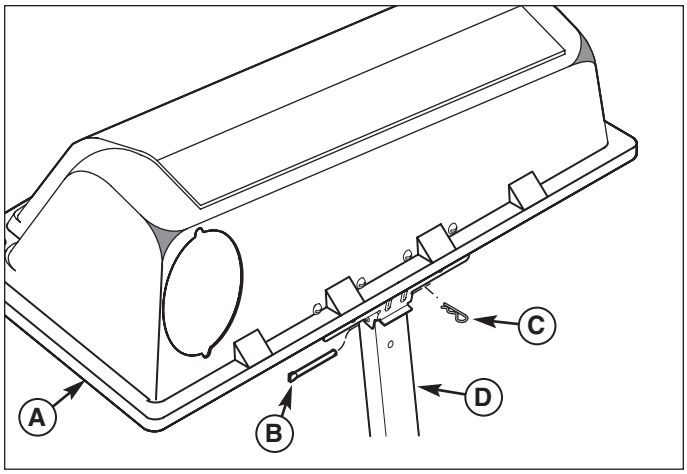


Figure 14. Install Cover to Channel Assembly
A. Cover
B. Pin
C. Hair Pin
D. Channel Assembly

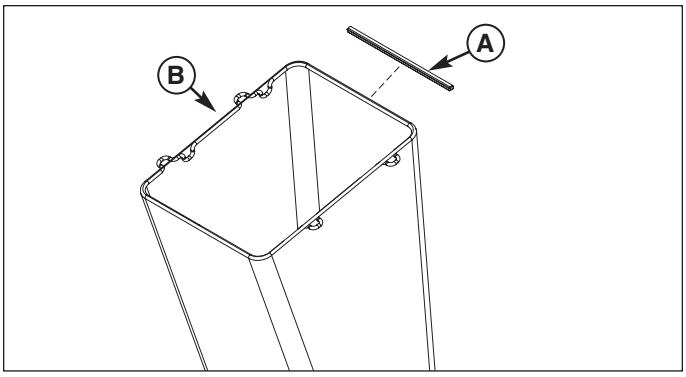


Figure 15. Install White Bar to Bag
A. White Bar
B. Bag Assembly

INSTALL COVER TO CHANNEL ASSEMBLY

1. Set the cover (A, Figure 14) on channel assembly. Slide pin (B) through hinge on cover and channel assembly (D) securing with hair pin (C).

INSTALL CLIP TO BAG ASSEMBLY

1. Slide the white bar (A, Figure 15) onto smooth edge of bag frame and assembly (B) as shown.

Bag, Chute and Tube Installation

INSTALL COLLECTOR BAGS

1. Raise the cover (A, Figure 16).
2. Slide collector bags (B) onto tubes (C) with the white bar towards the rear.

Note: It may be necessary to fold seat forward to allow cover to stay in the raised position.

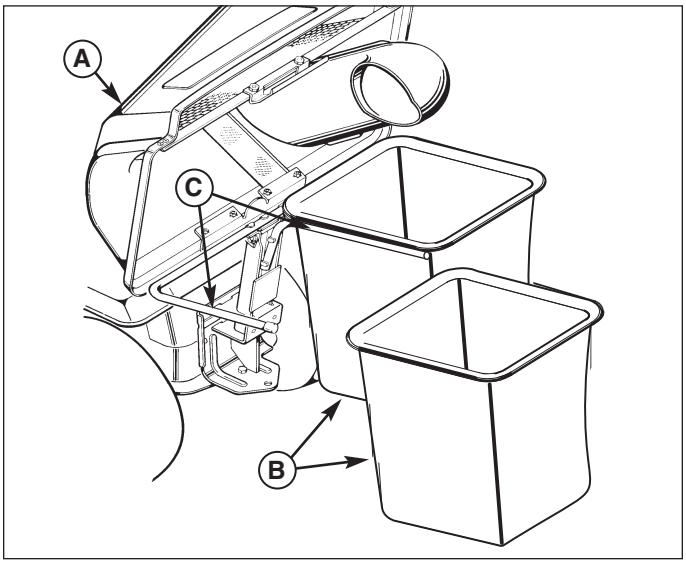


Figure 16. Install Collector Bags
A. Cover
B. Collector Bags
C. Tubes

Initial Tube Installation

LOWER DISCHARGE CHUTE INSTALLATION (38" FREE FLOATING MOWERS)

1. Lift discharge deflector up (D, Figure 17).
2. Slide the notch of bracket (G) on to deflector hinge rod (F).
3. Secure the front of lower chute (A) to carriage bolt (D) using wing nut (B).

Note: Locknut (C) is intended to keep wing nut (B) permanently on carriage bolt (D).

LOWER DISCHARGE CHUTE INSTALLATION (42" AND 38" FRAME HUNG MOWERS)

1. Lift discharge deflector up (E, Figure 18).
2. Place the front hole of the lower chute (A) onto carriage bolt (C) as shown. Slide front edge of lower chute (A) under hinge bracket (G).
3. Place the rear hole of the lower chute (A) onto carriage bolt (F) as shown.
4. Secure knob (B) onto carriage bolt (C) as shown.
5. Secure wing nut (D) onto carriage bolt (F) as shown.

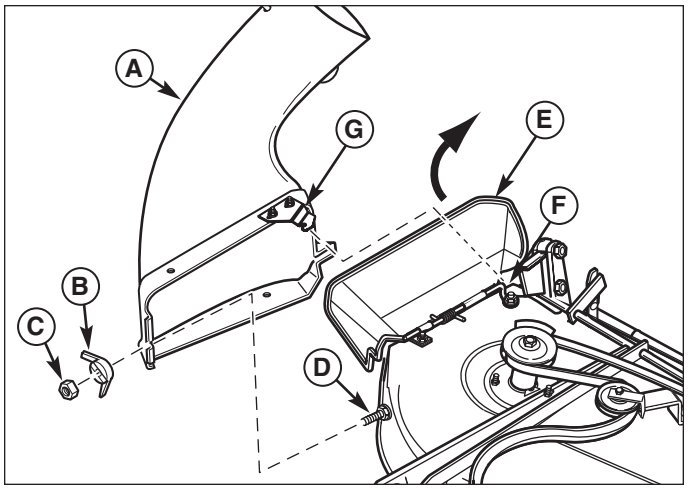


Figure 17. Install Lower Discharge Chute 38" Free Floating Mowers
A. Lower Chute
B. Wing Nut
C. Rubber Strap
D. Carriage Bolt
E. Discharge Deflector
F. Deflector Hinge Rod
G. Bracket

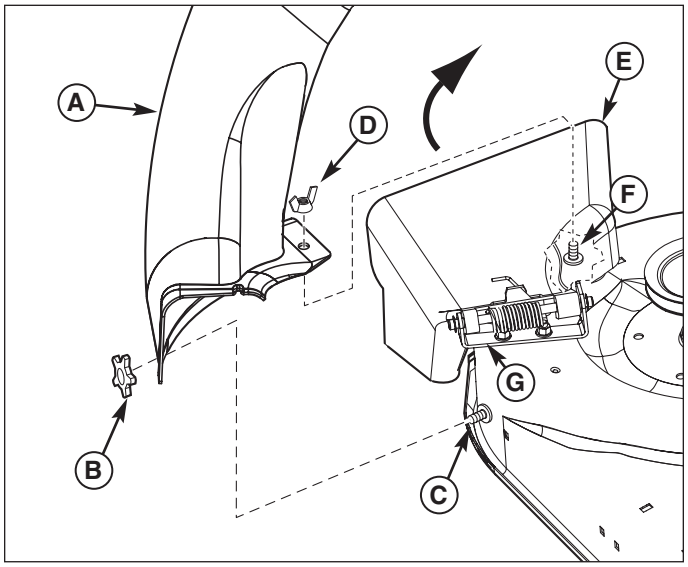


Figure 18. Install Lower Discharge Chute 38" Free Floating Mowers
A. Lower Chute
B. Knob, 5/16-18
C. Front Carriage Bolt, 5/16-18 x 3/4
D. Wing Nut, 5/16
E. Discharge Deflector
F. Rear Carriage Bolt, 5/16-18 x 3/4
G. Hinge Bracket

CONNECTING UPPER & MIDDLE TUBE

1. Slide the upper tube (A, Figure 19) into cover (B) aligning ridge (C) with cutout (D) as shown.
2. Slide middle tube (D, Figure 20) into upper tube (E).
3. Slide middle tube (D) over boot (A). Pull strap (B) and place hole completely over pin (C).
4. Secure upper tube (E) over middle tube (D) and secure tubes together using 1/4 x 3/4 screw (F) and correct hole.

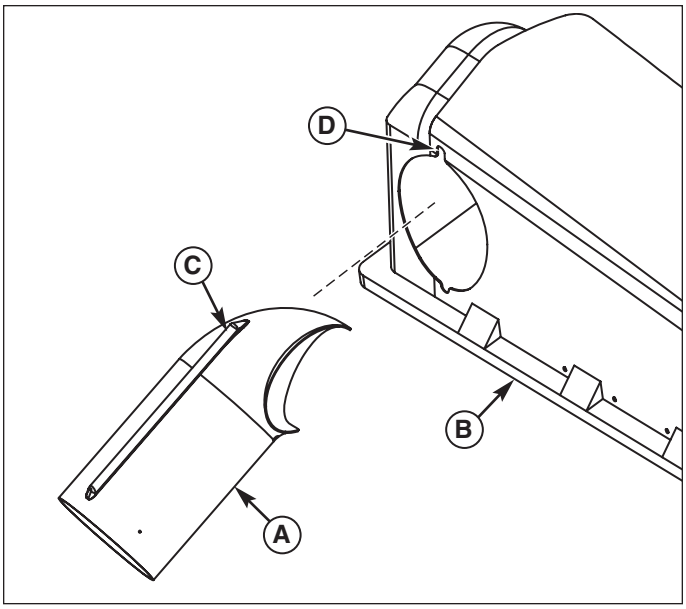


Figure 19. Install Upper Tube to Cover
A. Upper Tube
B. Cover
C. Ridge, Upper Tube
D. Ridge Cutout

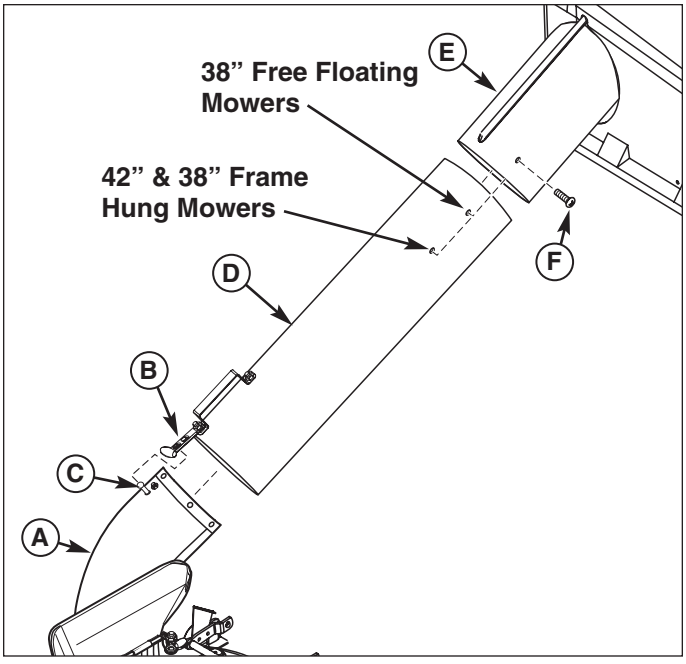


Figure 20. Install Middle Tube
A. Lower Chute
B. Strap, Rubber
C. Pin
D. Middle Tube
E. Upper Tube
F. Screw, Phillips Head, 1/4 x 3/4

Normal Removal & Installation

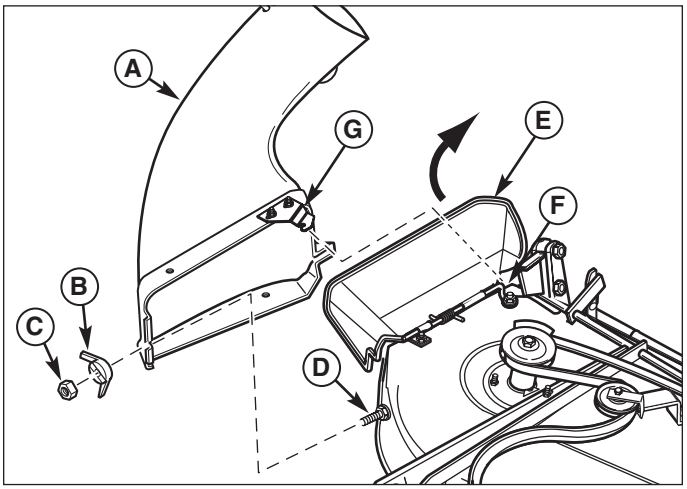


Figure 21. Install Lower Discharge Chute 38" Free Floating Mowers
A. Lower Chute
B. Wing Nut
C. Rubber Strap
D. Carriage Bolt
E. Discharge Deflector
F. Deflector Hinge Rod
G. Bracket

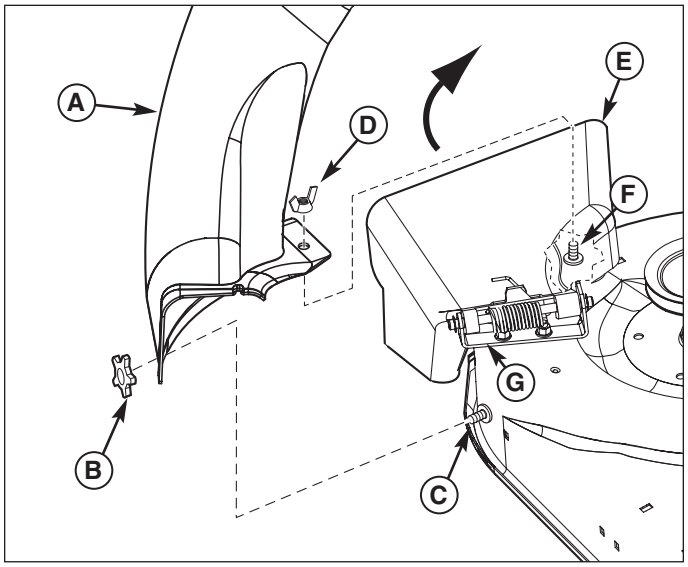


Figure 22. Install Lower Discharge Chute 38" Free Floating Mowers
A. Lower Chute
B. Knob, 5/16-18
C. Front Carriage Bolt, 5/16-18 x 3/4
D. Wing Nut, 5/16
E. Discharge Deflector
F. Rear Carriage Bolt, 5/16-18 x 3/4
G. Hinge Bracket

Normal Removal & Installation

Collector Installation

Note: See previous pages for more detailed installation and operation instructions if necessary.

38" Free Floating Mowers

1. Lift discharge deflector up (E, Figure 21).
2. Slide the notch of bracket (G) on to deflector hinge rod (F).
3. Secure the front of lower chute (A) to carriage bolt (D) using wing nut (B).

42" and 38" Frame Hung Mowers

1. Lift discharge deflector up (E, Figure 22).
2. Place the front hole of the lower chute (A) onto carriage bolt (C) as shown. Slide front edge of lower chute (A) under hinge bracket (G).
3. Place the rear hole of the lower chute (A) onto carriage bolt (F) as shown.
4. Secure knob (B) onto carriage bolt (C) as shown.
5. Secure wing nut (D) onto carriage bolt (F) as shown.

All Mowers

4. Mount the the channel assembly (A, Figure 23) into hitch (D). Secure by inserting pin (C) into the right side of hitch (D) and turning pin (C) counterclockwise to lock in place.
5. Pivot cover (B) up. Install bags (E) with white bar (F) towards the rear.
6. Slide the upper and middle tube (J) aligning ridge (L) with cutout (M) as shown.
7. Slide middle and upper tube (J) over lower chute (H). Pull strap (K) and place hole completely over pin (I).

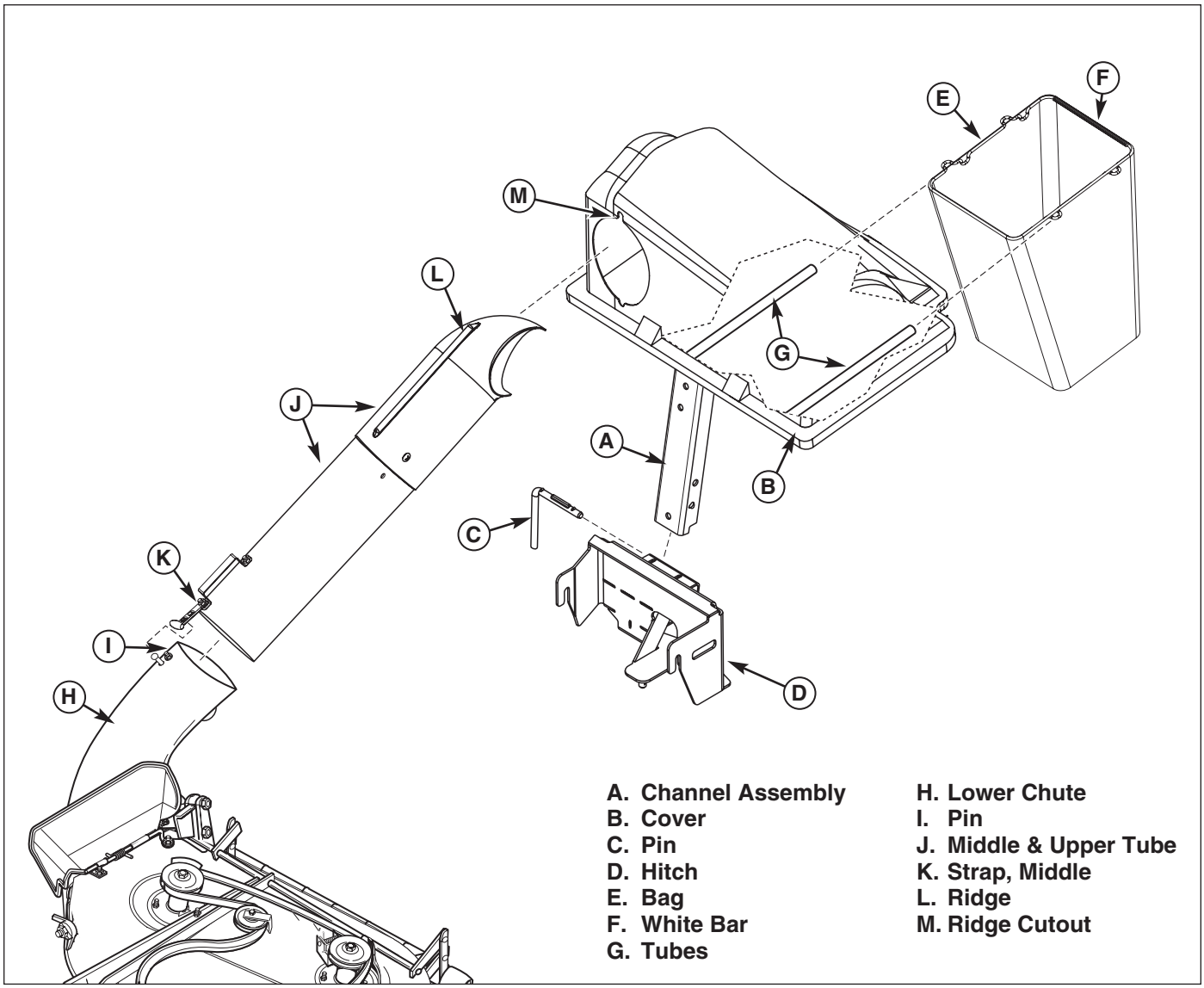


Figure 23. Normal Installation & Removal (38" Free Floating Mower Shown)

Collector Removal

⚠ WARNING

OPERATION WITHOUT BAGGER

For operation without bagger, the mower deflector MUST be properly installed in the down position and retained by the spring latch.

1. Unhook strap (K, Figure 23) from pin (I). Remove middle and upper tube (J) from cover (B).
2. Lift up cover (B) remove and empty bags (E).
3. Remove pin (C). Lift and remove channel assembly (A) and cover (B) from hitch (D).

38" Free Floating Mowers

4. Lift discharge deflector up (E, Figure 21).
5. Loosen wing nut (B).
6. Slide lower chute (A) off carriage bolt (D) and deflector hinge rod (F).

42" and 38" Frame Hung Mowers

4. Lift discharge deflector up (E, Figure 22).
5. Remove wing nut (D) from carriage bolt (F).
6. Remove the knob (B) from carriage bolt (C).
7. Remove the lower chute (A) from carriage bolt (F).
8. Remove lower chute (A) from carriage bolt (C).

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